

human ANX2	M	S	T	V	H	E	I	L	C	K	L	S	L	E	G	D	H	S	T	P	P	S	A	Y	G	S	V	K	A	Y		
Danio ANX2b	M	A	L	V	S	E	Y	L	S	K	L	T	L	S	Y	G	G	E	R	P	K	C	P	T	V	V	A	A	Y			
	M		V		E		L		K	L	.	L								P					V		A	A	Y			
human ANX2	T	N	F	D	A	E	R	D	A	L	N	I	E	T	A	I	K	T	K	G	V	D	E	V	T	I	V	N	I	L		
Danio ANX2b	D	-	F	N	P	E	V	D	A	A	K	I	E	T	A	I	K	T	K	G	V	D	E	Q	T	I	I	D	I	L		
	N	F		E	D	A	.	I	E	T	A	I	K	T	K	G	V	D	E	T	I	.	I	L								
human ANX2	T	N	R	S	N	A	Q	R	Q	D	I	A	F	A	Y	Q	R	R	T	K	K	E	L	A	S	A	L	K	S	A		
Danio ANX2b	T	R	R	S	L	L	K	R	S	D	I	A	F	E	Y	E	K	R	A	K	K	D	L	V	S	A	L	K	G	A		
	T	R	S	.	.	R	D	I	A	F	Y	.	R	Q	R	.	R	KK	.	L	.	S	A	L	K	A						
human ANX2	L	S	G	H	L	E	T	V	I	L	G	L	L	K	T	P	A	Q	Y	D	A	S	E	L	K	A	S	M	K	G		
Danio ANX2b	L	S	G	S	L	E	H	L	I	L	G	L	M	K	S	T	P	Q	Y	D	A	F	E	L	K	A	-	M	K	G		
	L	S	G	L	E	.	I	L	G	L	M	.	K	.	.	Q	Y	D	A	F	E	EL	E	I	EL	K	A	S	M	K	G	
human ANX2	L	G	T	D	E	D	S	L	I	E	I	I	C	S	R	T	N	Q	E	L	Q	E	I	N	R	V	Y	K	E	M		
Danio ANX2b	L	G	T	D	E	E	S	L	I	E	M	V	C	S	R	N	K	E	E	L	A	E	I	K	K	V	Y	K	E	M		
	L	G	T	D	E	.	S	L	I	E	.	C	S	R	.	N	K	E	E	L	A	E	I	K	.	V	Y	K	E	M		
human ANX2	Y	K	T	D	L	E	K	D	L	I	S	D	T	S	G	D	F	R	K	L	M	V	A	L	A	K	G	R	R	A		
Danio ANX2b	F	K	K	D	L	E	K	D	L	I	S	G	D	T	S	G	D	F	A	K	L	L	L	A	A	Q	G	N	R	E		
	.	K	D	L	E	K	D	I	I	S	G	D	T	S	G	D	F	.	K	L	.	A	A	Q	G	.	R	R	A			
human ANX2	E	D	G	S	V	I	D	Y	E	L	I	D	Q	D	A	R	D	I	Y	D	A	G	V	K	R	K	G	T	D	V		
Danio ANX2b	E	Q	S	S	V	V	D	Y	E	K	I	D	N	D	A	R	T	L	Y	E	T	G	V	V	R	R	K	G	T	D	V	
	E	S	V	.	D	Y	E	.	I	D	.	D	A	R	.	D	A	L	Y	.	G	V	.	G	V	.	R	K	G	T	D	V
human ANX2	P	K	W	I	S	I	M	T	E	R	S	V	P	H	L	Q	K	V	F	D	R	Y	K	S	Y	S	P	Y	D	M		
Danio ANX2b	V	T	W	I	S	I	F	S	E	R	S	V	S	H	L	Q	K	V	F	E	R	Y	K	R	Y	S	P	Y	D	L		
	W	I	S	I	.	E	R	S	V	.	H	L	Q	K	V	F	.	R	Y	K	.	Y	S	P	Y	D	.					
human ANX2	L	E	S	I	R	K	E	V	K	G	D	L	E	N	A	F	L	N	L	V	Q	C	I	Q	N	K	P	L	Y	F		
Danio ANX2b	K	E	S	I	R	M	E	V	K	G	D	L	E	K	S	F	L	T	L	V	E	C	L	E	N	K	H	L	Y	F		
	E	S	I	R	.	E	V	K	G	D	L	E	.	K	S	F	L	.	L	V	.	C	.	N	K	.	L	Y	F			
human ANX2	A	D	R	L	Y	D	S	M	K	G	K	G	T	R	D	K	V	L	I	R	I	M	V	S	R	S	E	V	D	M		
Danio ANX2b	A	S	R	L	N	D	A	M	K	G	K	S	V	K	D	K	I	I	T	R	I	I	V	S	R	C	E	V	D	L		
	A	R	L	D	.	M	K	G	K	.	.	D	K	.	.	D	K	.	.	R	I	.	V	S	R	.	E	V	D	.		
human ANX2	L	K	I	R	S	E	F	K	R	K	Y	G	K	S	L	Y	Y	Y	I	Q	Q	D	T	K	G	D	Y	Q	K	A		
Danio ANX2b	M	K	V	R	I	E	F	K	R	N	F	G	R	S	L	H	Q	T	I	S	E	H	T	K	G	D	Y	Q	R	A		
	K	.	R	.	E	F	K	R	.	G	.	S	L	.	H	Q	T	.	I	S	E	H	T	K	G	D	Y	Q	.			
human ANX2	L	L	Y	L	C	G	G	D	D	(SEQ ID NO:1)	L	L	N	L	V	G	G	D	D	(SEQ ID NO:2)	340	350	360									
Danio ANX2b	L	L	Y	L	C	G	G	D	D	(SEQ ID NO:1)	L	L	N	L	V	G	G	D	D	(SEQ ID NO:2)	340	350	360									

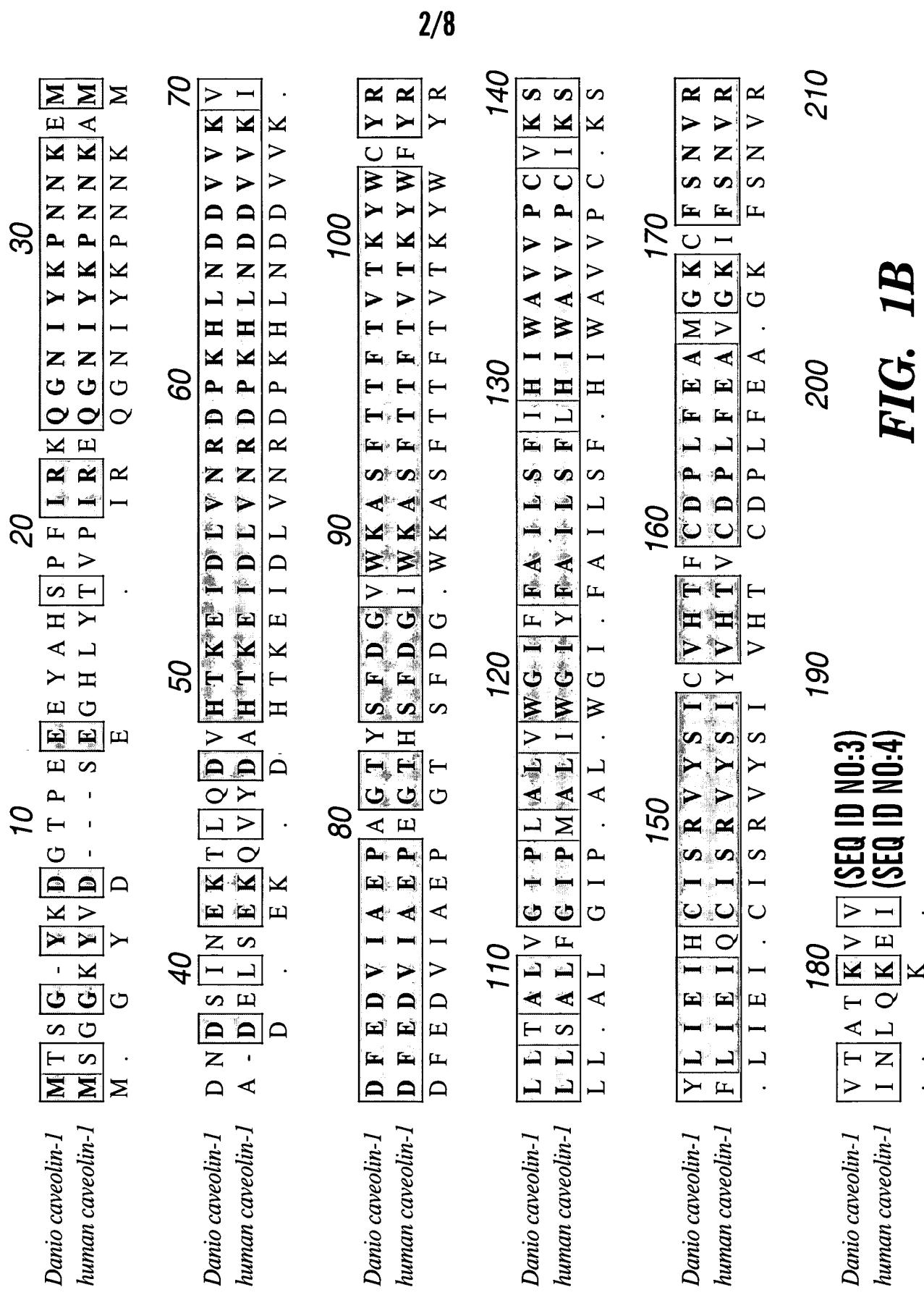
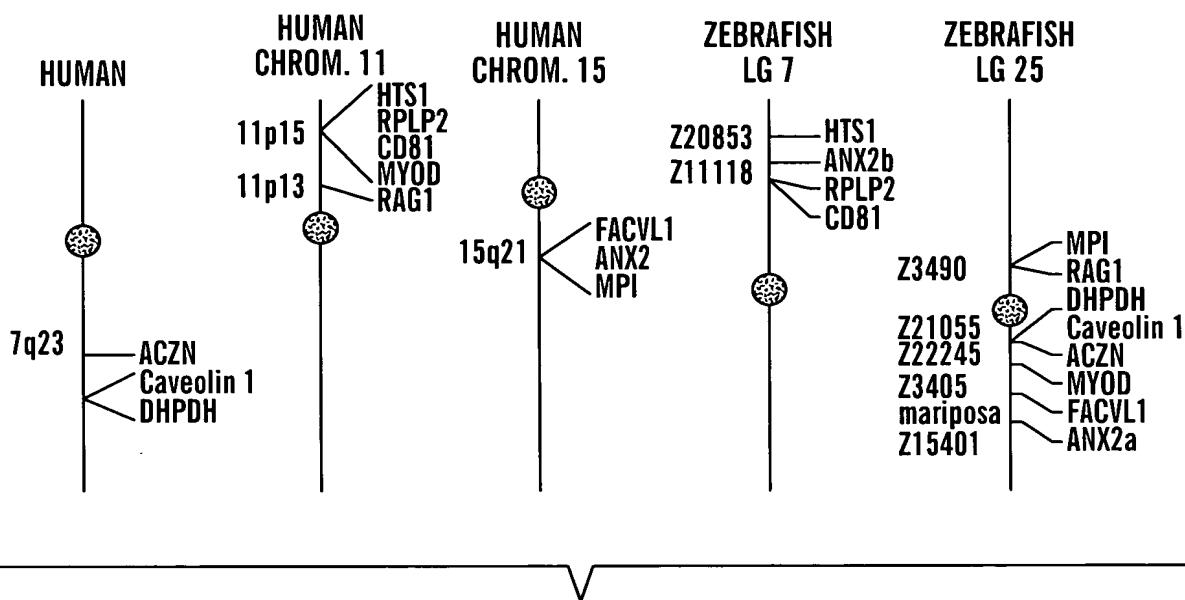
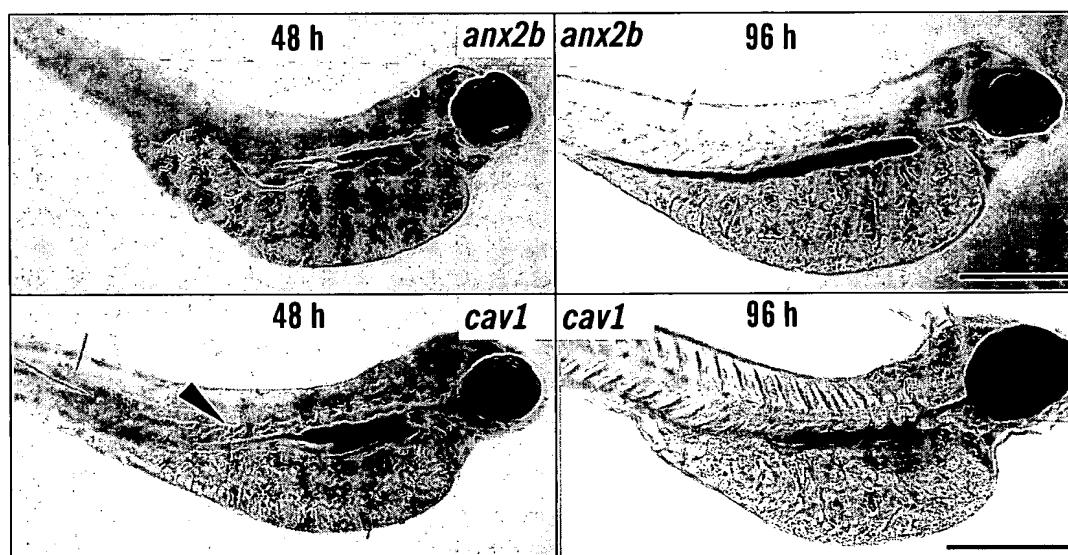


FIG. 1B

**FIG. 2A**

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FIG. 2B

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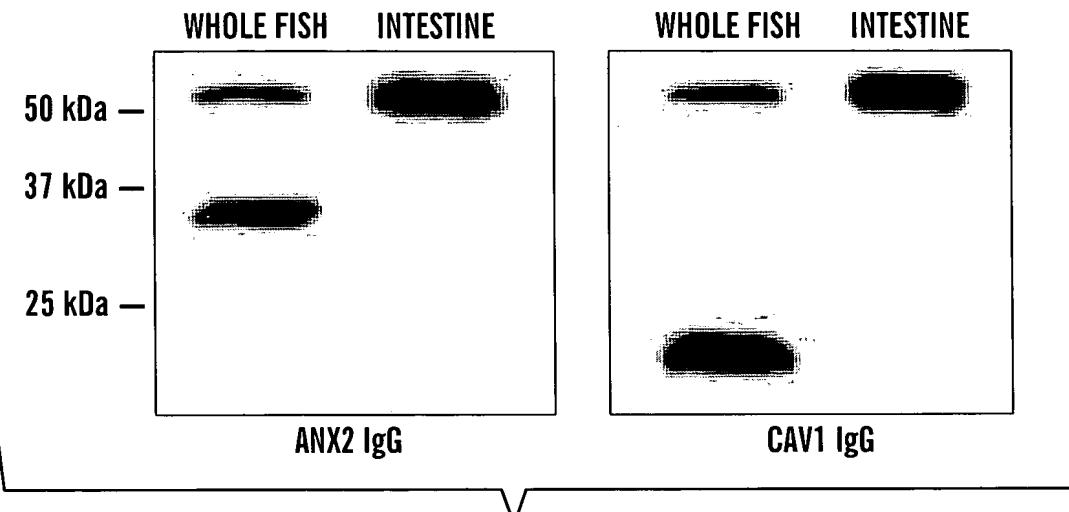


FIG. 2C

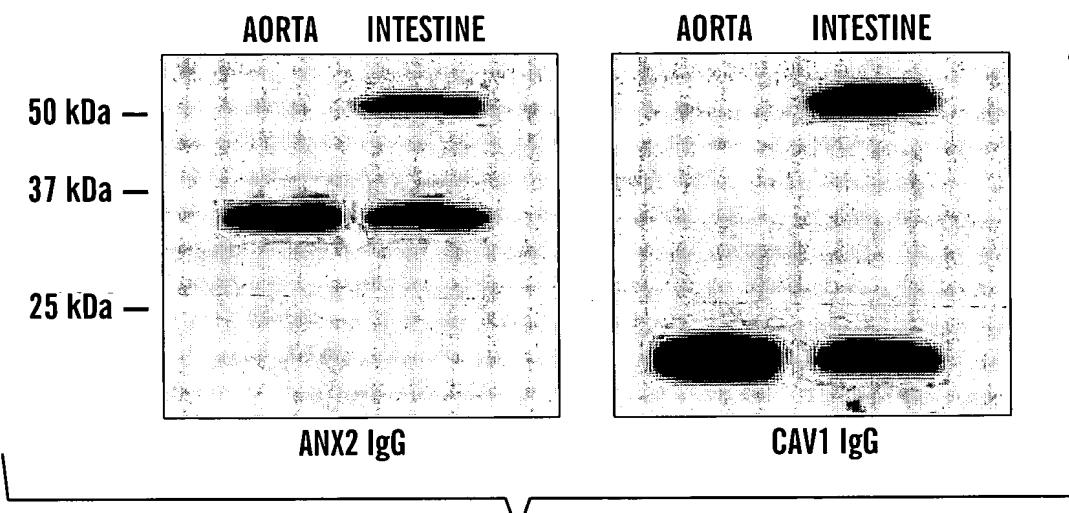
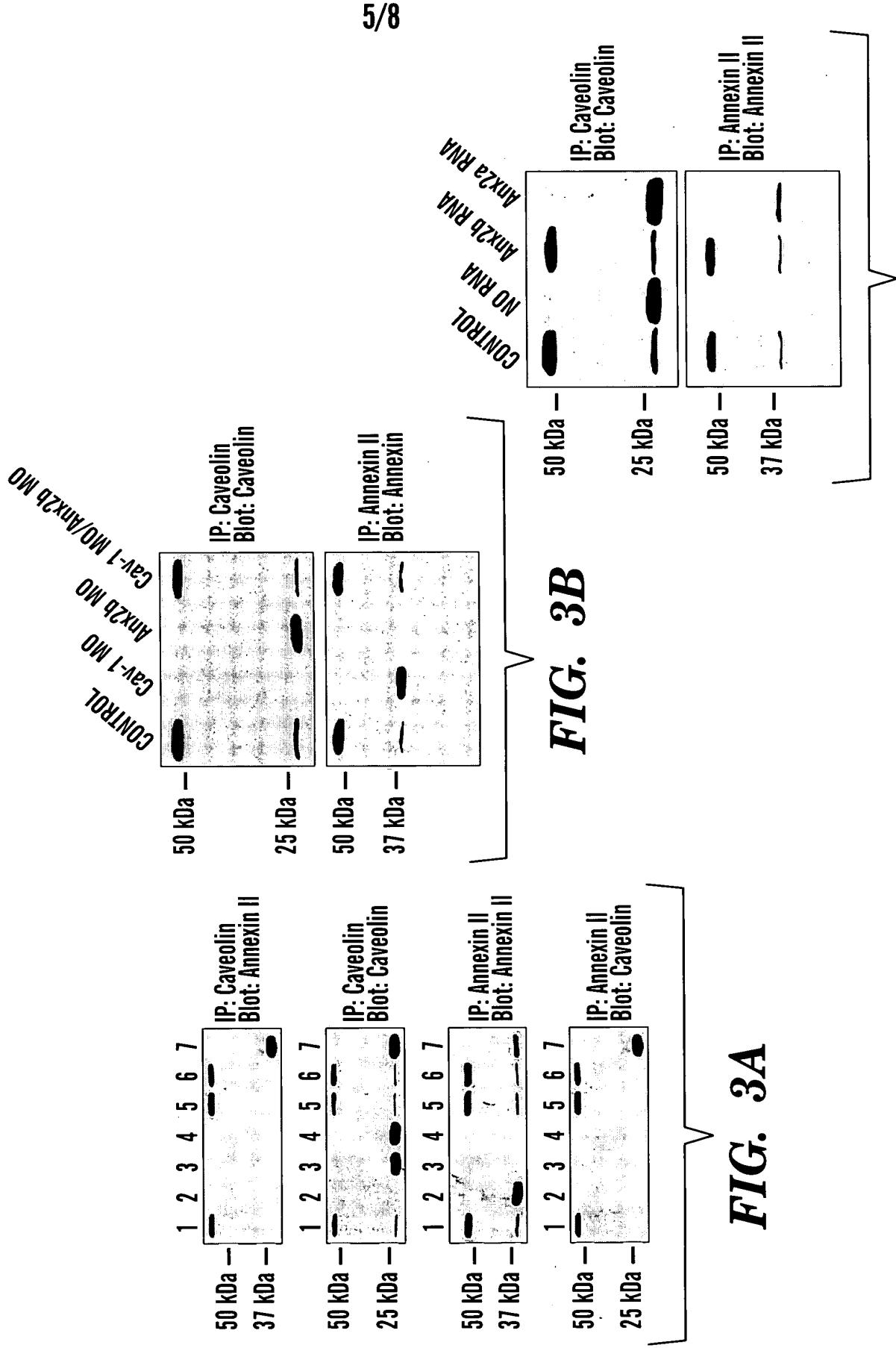


FIG. 2D

FRAGMENT 1: MTSGYKXGTPEEXYAHXP
FRAGMENT 2: EXDNDSINEXTLQXVH
FRAGMENT 3: LTLSYGGEXEPK
FRAGMENT 4: RSLLKRSDIAFEYE
FRAGMENT 5: VFEXYKRYSPXDL

Caveolin 1-20 (SEQ ID NO.5)
Caveolin 34-49 (SEQ ID NO.6)
Annexin IIb 11-22 (SEQ ID NO.7)
Annexin IIb 63-76 (SEQ ID NO.8)
Annexin IIb 228-240 (SEQ ID NO.9)

FIG. 2E



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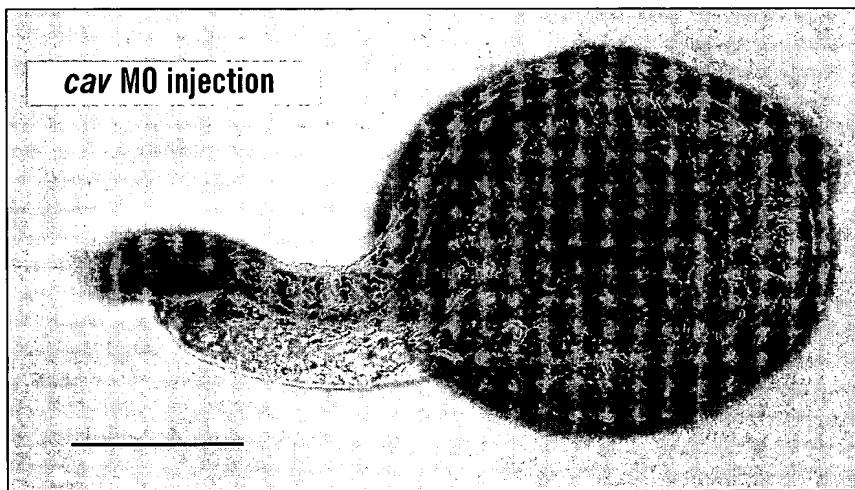
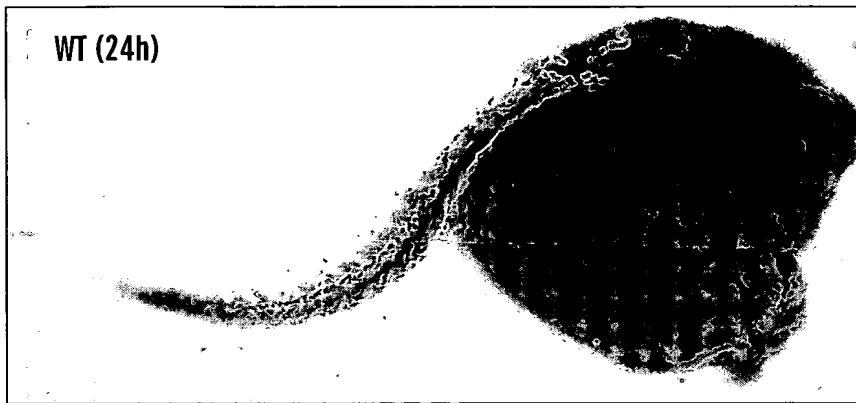
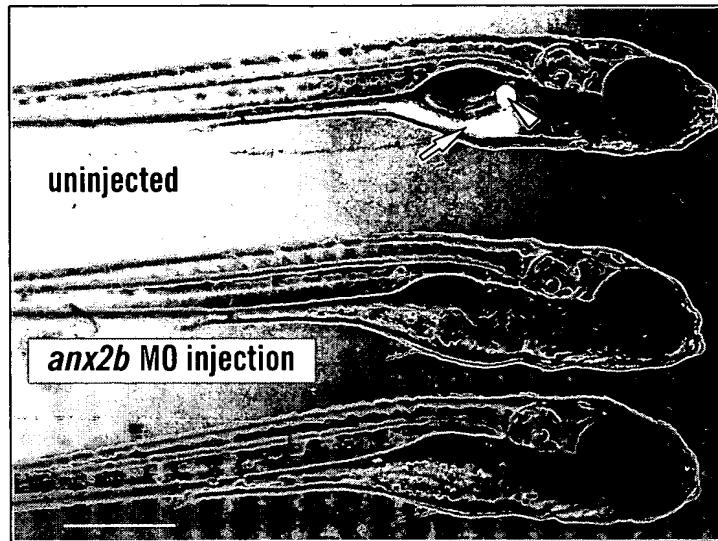
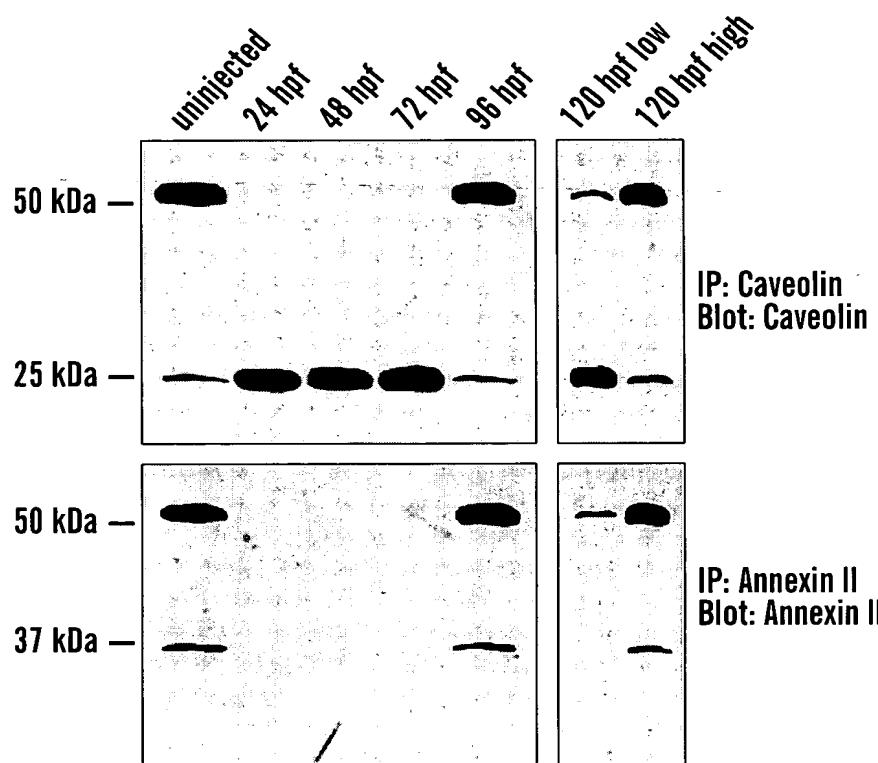


FIG. 4

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**FIG. 5A****FIG. 5B**

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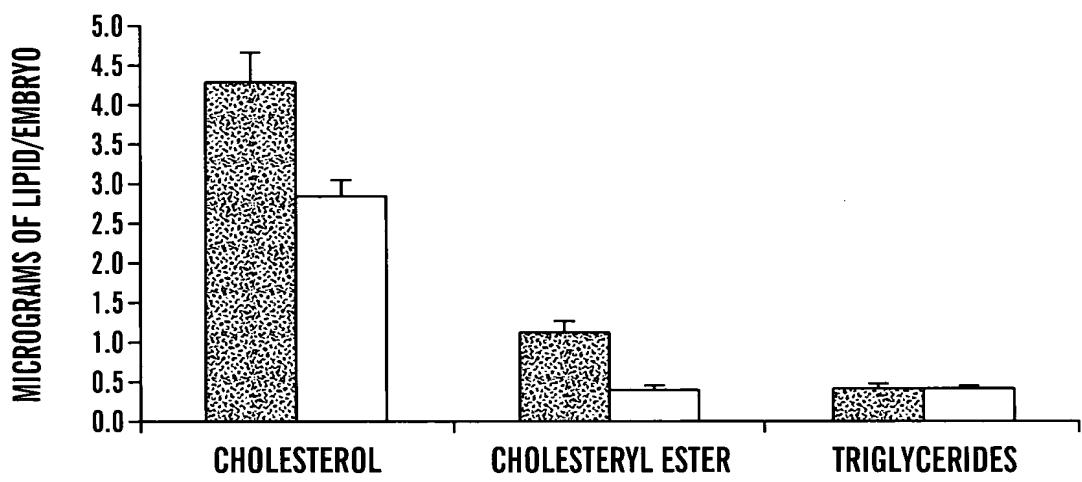


FIG. 5C